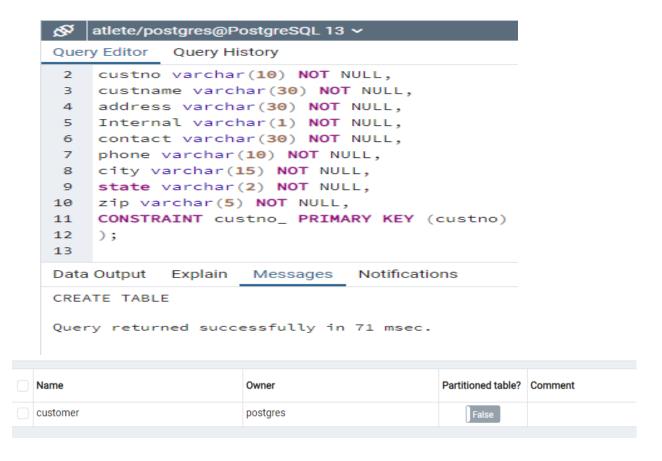
#### Nama : Dimas Nugraha NIM : 181402105

#### Data Warehouse dan Bisnis Intelligence - Kelas C



### CREATE TABLE customer (

custno varchar(10) NOT NULL,

custname varchar(30) NOT

NULL, address varchar(30) NOT

NULL, Internal varchar(1) NOT

NULL, contact varchar(30) NOT

NULL, phone varchar(10) NOT

NULL, city varchar(15) NOT

NULL.

state varchar(2) NOT

NULL, zip varchar(5) NOT

NULL,

CONSTRAINT custno\_ PRIMARY KEY (custno)

);

```
Query Editor
          Query History
    CREATE TABLE facility (
  facno varchar(10) NOT NULL,
  facname varchar(30) NOT NULL,
3
4
   CONSTRAINT facno_ PRIMARY KEY (facno)
5
   );
6
Data Output
         Explain
                  Messages
                           Notifications
CREATE TABLE
Query returned successfully in 47 msec.
```

CREATE TABLE facility (facno varchar(10) NOT NULL, facname varchar(30) NOT NULL, CONSTRAINT facno\_PRIMARY KEY (facno));

Name	Owner	Partitioned table?	Comment
customer	postgres	False	
facility	postgres	False	

locno varchar(10) NOT NULL,
facno varchar(10) NOT NULL,
locname varchar(30) NOT
NULL,
CONSTRAINT locno\_ PRIMARY KEY (locno)

CREATE TABLE location (

)

1 CREATE TABLE location (
2 locno varchar(10) NOT NULL,
3 facno varchar(10) NOT NULL,
4 locname varchar(30) NOT NULL,
5 CONSTRAINT locno\_ PRIMARY KEY (locno)
6 );
7

Data Output Explain Messages Notifications

CREATE TABLE

Query returned successfully in 54 msec.

titioned table? Comment

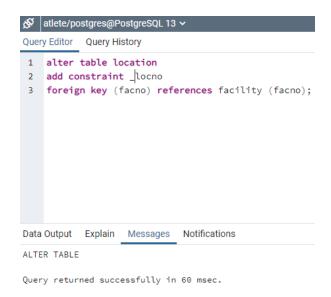
False

Query Editor Query History



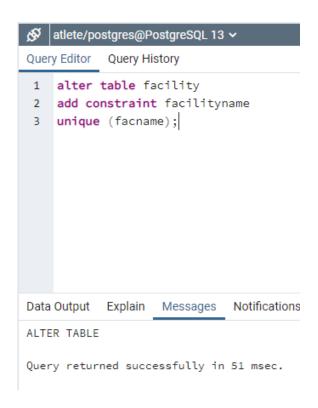
```
CREATE TABLE location (
locno varchar(10) NOT NULL,
facno varchar(10) NOT NULL,
locname varchar(30) NOT
NULL,
CONSTRAINT locno_ PRIMARY KEY (locno)
);
```

- 1. Hanya ada satu tabel yang saling berhubungan. Table yang berhubungan adalah tabel facility dengan tabel location dimana table facility merupakan parent dari tabel location, karna tabel location mengambil data dari tabel facility.
- 2. alter table locationadd constraint \_locnoforeign key (facno) references facility (facno

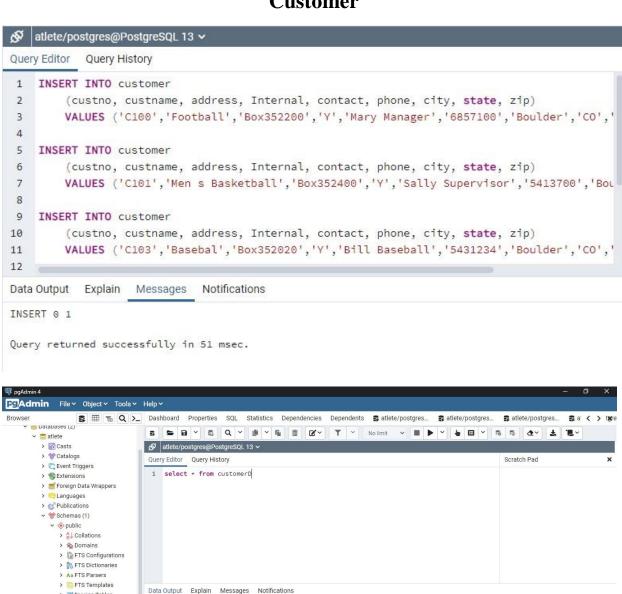


3. yang saya ketahui, null tidak boleh digunakan dalam foreign key. Saya ingin menjelaskan mengapa foreign key mungkin perlu nol atau mungkin perlu unik atau tidak unik. Pertama, ingat foreign key hanya mengharuskan nilai di bidang itu harus ada terlebih dahulu di tabel yang berbeda (tabel induk). Itu semua adalah definisi FK. Null menurut definisi bukanlah nilai. Null artinya kita belum tahu berapa nilainya.

4. alter table facilityAdd constraint facilitynameUnique (facname);



## **Pengisian Data** Customer



Box352200

Box352400

Box352020

Box351200

123 AnyStreet

Men s Basketball

Women's Softball

High School Football

Basebal

custno custno custname address character varying (10) character varying (30) character varying (30) character varying (30) character varying (11) character varying (10) character vary

Sally Supervisor

Bill Baseball

Sue Softball

Coach Bob

6857100

5413700

5431234

5434321

4441234

СО

CO

CO

СО

Boulder

Boulder

Boulder

Louisville

> Foreign Tables

> (a) Functions > @Materialized Views

> (() Procedures

> ( Trigger Functions

> 1..3 Sequences

> Tables

> Types

> Subscriptions > = postgres > 🕰 Login/Group Roles Tablespaces ₩ D H Links

2 C101

3 C103

4 C104

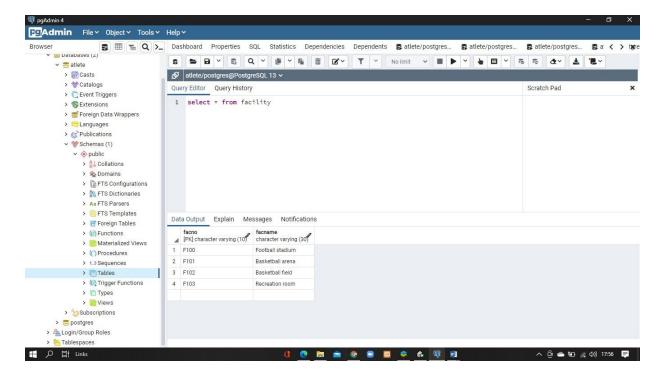
5 C105

# **Pengisian Data Facility**

```
    atlete/postgres@PostgreSQL 13 ▼

Query Editor
            Query History
     INSERT INTO facility
 1
 2
         (facno, facname)
         VALUES ('F100', 'Football stadium');
 3
 4
 5
 6
    INSERT INTO facility
         (facno, facname)
 7
         VALUES ('F101', 'Basketball arena');
 8
 9
    INSERT INTO facility
10
         (facno, facname)
11
         VALUES ('F102', 'Basketball field');
12
Data Output
           Explain
                     Messages
                                Notifications
INSERT 0 1
```

Query returned successfully in 43 msec.



### **Pengisian Data Location**

```
atlete/postgres@PostgreSQL 13 v
Query Editor
            Query History
22
         (locno, facno, locname)
         VALUES ('L104', 'F100', 'Ticket Booth');
23
24
25
    INSERT INTO location
26
         (locno, facno, locname)
27
         VALUES ('L105', 'F101', 'Gate');
28
29
30
    INSERT INTO location
31
32
         (locno, facno, locname)
         VALUES ('L106', 'F100', 'Pedestrian gate');
33
Data Output
           Explain
                     Messages
                                Notifications
```

INSERT 0 1

Query returned successfully in 48 msec.

